

PTO/SB/08B (Modified)

RECEIVED
2002
#20/43
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/362,693
				Filing Date	July 29, 1999
				First Named Inventor	Mills
				Group Art Unit	1754
Sheet	1	of	3	Examiner Name	Langel
				Attorney Docket Number	62-226-9A2

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		R. Mills, J. Sankar, P. Ray, B. Dhandapani, J. He, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Single Crystal Diamond Films", Chemistry of Materials, submitted. (no date)	
WAL		R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser", IEEE Transactions on Plasma Science, submitted. (no date)	
WAL		R. L. Mills, P. Ray, B. Dhandapani, J. He, "New Energy States of Atomic Hydrogen Formed in a Catalytic Helium-Hydrogen Plasma", IEEE Transactions on Plasma Science, submitted. (no date)	
WAL		R. Mills, P. Ray, R. Mayo, "Water-Plasma Medium for a Hydrogen Laser", J of Phys. Chem. Lett., submitted. (no date)	
WAL		R. Mills, P. Ray, R. Mayo, "The Potential for an Extremely Versatile Hydrogen Water-Plasma Laser", Phys. Rev. E, submitted. (no date)	
WAL		R. L. Mills, B. Dhandapani, J. He, J. Sankar, "CVD Synthesis of Single Crystal Diamond Films on Silicon Substrates Without Seeding", Diamond and Related Materials, submitted. (no date)	
WAL		R. L. Mills, X. Chen, P. Ray, J. He, B. Dhandapani, "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry", Thermochemica Acta, submitted. (no date)	
WAL		R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride", Materials Characterization, submitted. (no date)	
WAL		R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride", J of Materials Research, submitted. (no date)	

Examiner Signature	Wayne A. Langel	Date Considered	7-6-02
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PTO/SB/08B (Modified)

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TC 1706

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WAL		R. L. Mills, B. Dhandapani, J. He, J. Sankar, "Synthesis of Diamond Films from Solid Carbon", Diamond and Related Materials, submitted. (no date)	
WAL		R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser", Applied Physics Letters, submitted. (no date)	
WAL		R. L. Mills, "Classical Quantum Mechanics", Physica Scripta., submitted. (no date)	
WAL		R. L. Mills, P. Ray, "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," Quantitative Spectroscopy and Radiative Transfer, submitted. (no date)	
WAL		R. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications", 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), in press.	
WAL		R. Mills, P. Ray, R. Mayo, "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser", J Vac. Sci. and Tech. A, submitted. (no date)	
WAL		R. L. Mills, P. Ray, B. Dhandapani, J. Dong, S. Hicks, M. Nansteel, X. Chen, J. He, R. Mayo, Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen, Fuels and Energy, submitted. (no date)	
WAL		R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", J. Phys. Chem. Lett., submitted. (no date)	
WAL		R. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium", Foundations of Science, submitted. (no date)	

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PTO/SB/085 (Modified)

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1700

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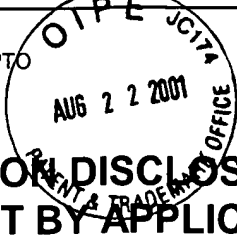
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WAL		R. Mills and M. Nansteel, P. Ray, "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions", New Journal of Physics, submitted. (no date)	
WAL		R. Mills, P. Ray, R. Mayo, "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts", IEEE Transactions on Plasma Science, submitted. (no date)	
WAL		R. L. Mills, P. Ray, J. Dong, M. Nansteel, B. Dhandapani, J. He, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", Vibrational Spectroscopy, submitted. (no date)	
WAL		R. L. Mills, P. Ray, E. Dayalan, B. Dhandapani, J. He, "Comparison of Excessive Balmer α Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts", IEEE Transactions on Plasma Science, submitted. (no date)	
WAL		R. Mayo, R. Mills, M. Nansteel, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity", IEEE Transactions on Plasma Science, submitted. (no date)	
WAL		H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted. (no date)	
WAL		R. L. Mills, P. Ray, "Stationary Inverted Lyman Population and a Very Stable Novel Hydride Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Catalysts", International Journal of Engineering Science, submitted. (no date)	

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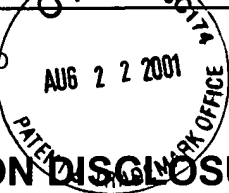
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WAL		ABELÈS, Ed., Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'", <i>Optical Properties of Solids</i> , 1972, pp. 718-754, North-Holland Publishing Company, Amsterdam. (no month)	
WAL		DELBECQ <i>et al.</i> , "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers", <i>Phys. Rev.</i> , Nov. 1, 1956, 104 , pp. 599-604.	
WAL		DÖTSCH <i>et al.</i> , "Localized Vibrations of H ⁺ and D ⁺ Ions in NaF and LiF", <i>Solid States Communications</i> , 1965, 3 , pp. 297-298. (no month)	
WAL		RAUCH <i>et al.</i> , "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides", <i>Physical Review</i> , Feb. 1, 1957, 105 , pp. 914-920.	
WAL		FISCHER <i>et al.</i> , "Sh ⁻ , S ⁻ Und S ⁻ -Zentren in KCl-Kristallen", <i>Physics Letters</i> , Oct. 27, 1964, 13 , pp. 113-114.	
WAL		FRIED <i>et al.</i> , "Solution for the Two-Electron Correlation Function in a Plasma", <i>The Physical Review</i> , Apr. 1, 1961, 122 , pp. 1-8.	
WAL		ALGER <i>et al.</i> , "F Centers in Pure and Hydride-Containing Alkali Halide Crystals", <i>Physical Review</i> , Jan. 15, 1955, 97 , pp. 277-287.	
WAL		SCHEARER <i>et al.</i> , "Microwave Saturation of Paraelectric-Resonance Transitions of OH ⁻ Ions in KCl", <i>Solid State Communications</i> , 1966, 4 , pp. 639-642. (no month)	
WAL		KERKHOFF <i>et al.</i> , "Elektronenspin-Resonanz und Photochemie des U ₂ -Zentrums in Alkalihalogenid-Kristallen", <i>Zeitschrift für Physik</i> , 1963, 173 , pp. 184-202. (no month)	
WAL		KERKHOFF, "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , 1960 158 , pp. 595-606. (no month)	
Examiner Signature	Wayne A. Langel		Date Considered
		9-6-02	

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WAL		FISCHER, "Die optische Absorption der U ₂ -Zentren in Alkalihalogeniden des BaCl ₂ -Typs", <i>Zeitschrift für Physik</i> , 1967, 204 , pp. 351-374, (no month)	
WAL		MARTIENSSEN, "Photochemische Vorgänge in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , 1952, 131 , pp. 488-504, (no month)	
WAL		THOMAS, "Zur Photochemie des KH-KBr-Mischkristalles", <i>Annalen der Physik.</i> , 1940, 38 , pp. 601-608, (no month)	
WAL		HILSCH, "Über die Diffusion und Reaktion von Wasserstoff in KBr-Kristallen", <i>Annalen der Physik.</i> , 1937, 40 , pp. 407-420, (no month)	
WAL		V. LÜPKE, "Über Sensibilisierung der photochemischen Wirkung in Alkalihalogenidkristallen", <i>Annalen der Physik.</i> , 1934, 21 , pp. 1-14, (no month)	
WAL		BÄUERLE <i>et al.</i> , "Infrared Vibrational Absorption by U-Centers in NaI", <i>Phys. Stat. Sol.</i> , 1967, 24 , pp. 207-215, (no month)	
WAL		FRITZ <i>et al.</i> , "Infrared Absorption and Anharmonicity of the U-Centre Local Mode", <i>Phys. Stat. Sol.</i> , 1965, 11 , pp. 231-239, (no month)	
WAL		KLEINSCHROD, "Photochemische Zersetzung von KH und KD in KBr-Kristallen", <i>Ausgegeben</i> , Jan, 5, 1939, pp. 143-148,	
WAL		HILSCH, "Eine neue Lichtabsorption in Alkalihalogenidkristallen", <i>Fachgruppe II</i> , pp. 322-328, (no date)	
WAL		FRITZ, "Anionlücken und Zwischengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen", <i>J. Phys. Chem. Solids</i> , 1962, 23 , pp. 375-394, Pergamon Press, Great Britain, (no month)	

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SCHAEFER, "Das Ultrarote Spektrum Des *U*-Zentrums", *Phys. Chem. Solids*, 1960, 12, pp. 233-244, Pergamon Press, Great Britain. (no month)

LÜTY, "Über Die Natur Der V_3 -Zentren In Strahlungsverfärbtem KCCl", *J. Phys. Chem. Solids*, 1962, **23**, pp. 677-681, Pergamon Press, Great Britain. (70 months)

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